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Hon. Commissioner of Patents
and Trademarks
Washington, D.C. 20231

Sir:

EXPRESS MAILING CERTIFICATE

Applicant:	Steven D. Woods, et al.
Serial No (if any):	Not yet assigned
For:	Technology Management System Using Knowledge Management Disciplines, Web-Based Technologies And Web Infrastructures
Docket:	7784-000156
Attorney:	MDE/BDJ

"Express Mail" Mailing Label Number EL684104410US

Date of Deposit .... December 21, 2000

I hereby certify and verify that the accompanying postcard; check in the amount of $912.00 ($710.00 filing fee, $162.00 for 9 claims in excess of 20, and $40.00 assignment recordal fee); transmittal letter (in duplicate); 33-page patent application; 7 sheets of informal drawings (showing Figures 1-7); signed Declaration; Assignment cover sheet (in duplicate); and signed Assignment are being deposited with the United States Postal Service "Express Mail Post Office To Addressee" service under 37 C.F.R. 1.10 on the date indicated above and (is) are addressed to the Commissioner of Patents and Trademarks, Washington, D.C. 20231.

_____
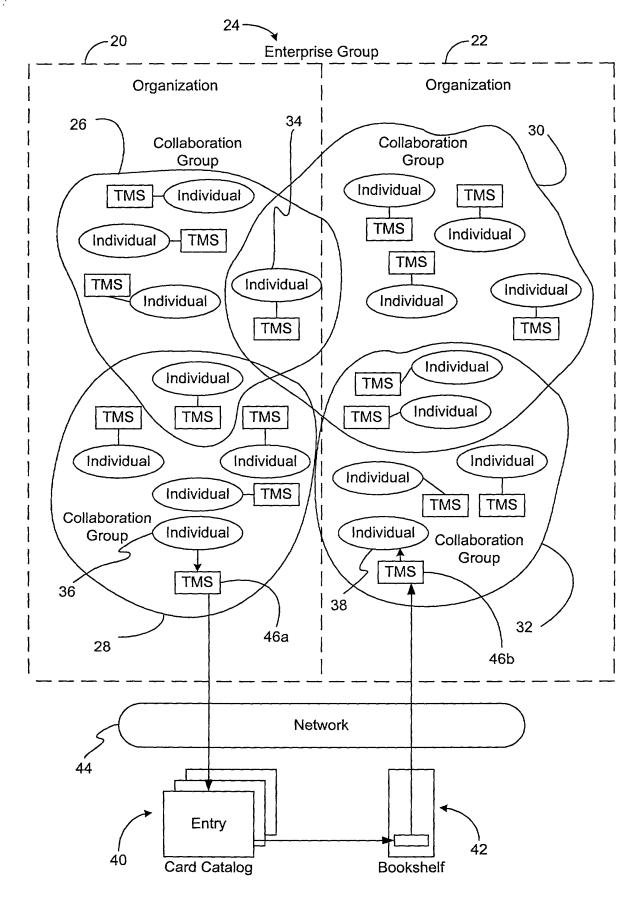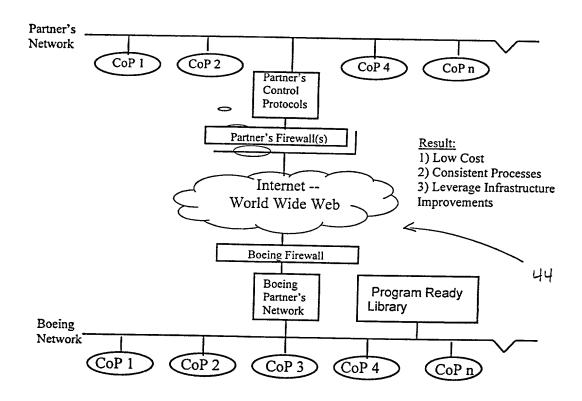Signature of Person Mailing Document(s)

20

Organization   Organization   22

26
Collaboration
Group
34
30
Collaboration
Group

TMS Individual   Individual TMS

Individual TMS   TMS Individual

TMS   TMS
Individual   Individual   Individual

TMS

Individual   Individual
TMS
TMS TMS TMS   TMS Individual

Individual   Individual   TMS Individual

Individual TMS   Individual
Collaboration
Group   TMS TMS
Individual
36   Individual   TMS
28   Collaboration
38   Group
TMS
46a   32
46b

Network

44

Entry   Bookshelf
40   Card Catalog   42

FIG. 1

Partner's
Network

CoP 1   CoP 2   Partner's
                 Control
                 Protocols   CoP 4   CoP n

Partner's Firewall(s)

Result:
1) Low Cost
2) Consistent Processes
3) Leverage Infrastructure
Improvements

Internet --
World Wide Web

Boeing Firewall

Boeing
Partner's
Network   Program Ready
           Library

44

Boeing
Network

CoP 1   CoP 2   CoP 3   CoP 4   CoP n

FIG. 2

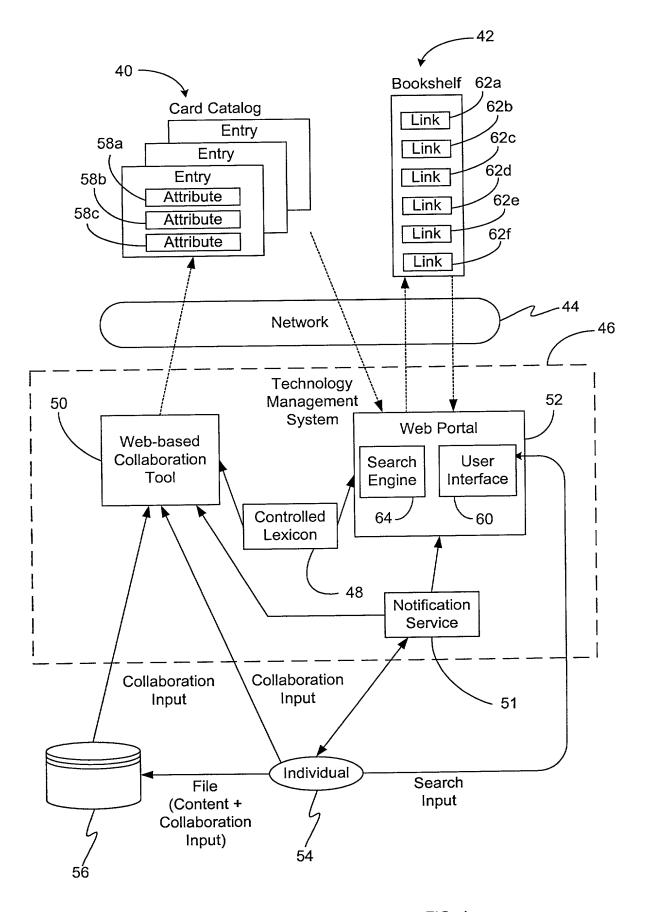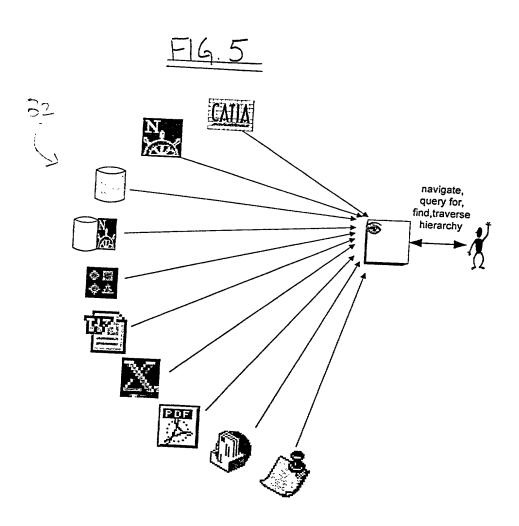| Concept Function		Requirements
	W E B B A S E D D E L I V E R Y S Y S T E M	**Enterprise Info Visibility -- Reuse** 1. create & manage multiple custom views 2. share blocks across views 3. support search & navigation 4. support restricted information access
		Enterprise Info Visibility -- Management 1. taxonomy management 2. vocabulary management 3. navigation capability management 4. security filter management
		Bookshelf Services & Processes 1. Information Asset Attribution Process 2. Readiness Attribution Process 3. Validation Recording Process 4. Security Attribution Process 5. Common Vocabulary Attribution Process 6. Thesaurus Association Process 7. Taxonomy Association Process 8. Integration (components & information sources) 9. Owner, Author, Steward Attribution Process

		Local Communities
		1. support collaboration
		  • within workgroups
		  • with external suppliers
		2. support knowledge creation
		  • authoring, tagging, reviewing, commenting
		  • sense-making & decision-making processes
		  • information mining, mapping, visualizing

		Computing Infrastructure 1. Desktop Tools 2. Security Infrastructure 3. Middleware Capabilities 4. Data Management Capabilities 5. Delivery System Platforms, Communication 6. Application Systems

FIG. 3

Card Catalog 40

Bookshelf 42

58a
58b
58c

Entry
Entry
Entry
Attribute
Attribute
Attribute

Link 62a
Link 62b
Link 62c
Link 62d
Link 62e
Link 62f

Network 44

46

Technology
Management
System

50

Web-based
Collaboration
Tool

Controlled
Lexicon

48

Web Portal 52

Search
Engine

User
Interface

64

60

Notification
Service

51

Collaboration
Input

Collaboration
Input

Individual

File
(Content +
Collaboration
Input)

Search
Input

56

54

FIG. 4

FIG. 5

navigate,
query for,
find, traverse
hierarchy
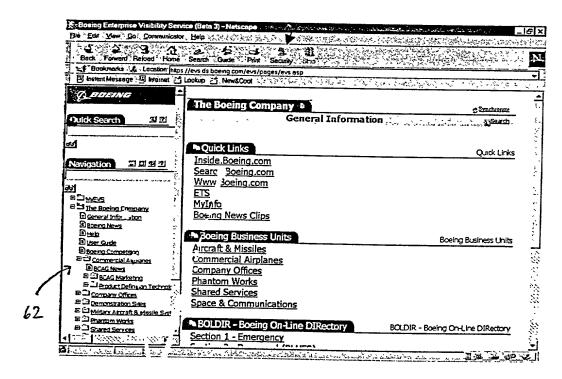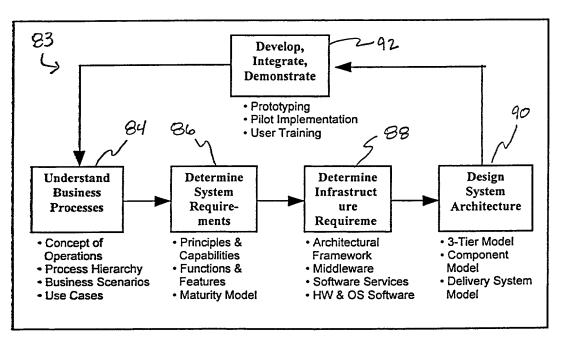
The Taxonomy supports the *Navigation* mechanisms.

FIG. 6

83

Develop, Integrate, Demonstrate ⌐92

- Prototyping
- Pilot Implementation
- User Training

84   86   88   90

Understand Business Processes	**Determine System Require-ments**	**Determine Infrastruct ure Requireme**	**Design System Architecture**

- Concept of Operations
- Process Hierarchy
- Business Scenarios
- Use Cases

- Principles & Capabilities
- Functions & Features
- Maturity Model

- Architectural Framework
- Middleware
- Software Services
- HW & OS Software

- 3-Tier Model
- Component Model
- Delivery System Model

FIG. 7